

CLAIMS:

There is claimed:

- 1 1. A progressive addition power lens comprising:
2 a near dioptric power region, a intermediate corridor, and a far dioptric power
3 region, each with a respective clear visual region having astigmatism of 0.5
4 diopters or less;
5 wherein:
6 the intermediate corridor extends vertically from the near dioptric power
7 region to the far dioptric power region, with a gradually decreasing
8 refractive power;
9 a maximum horizontal width of the clear visual region in the far dioptric
10 power region is no more than twice a minimum horizontal width of the
11 clear visual region in the intermediate corridor; and
12 a vertical length of the intermediate corridor is in a range of 22 to 28 mm.
- 1 2. The progressive addition power lens as set forth in claim 1, further
2 comprising:
3 a near point at the top of the near dioptric power region; and
4 an eye point in the intermediate corridor, at a position 9 to 12 mm higher than
5 the near point.
- 1 3. The progressive addition power lens as set forth in claim 1, wherein the
2 clear visual region of the near dioptric power region has a horizontal width of 30
3 mm or more.
- 1 4. The progressive addition power lens as set forth in claim 3, further
2 comprising:
3 a far point at the bottom of the far dioptric power region; and

4 astigmatism peaks located to the sides of the far point, with positions at
5 substantially the same height as the far point.

1 5. The progressive addition power lens as set forth in claim 3, further
2 comprising:

3 a far point at the bottom of the far dioptric power region; and
4 astigmatism peaks located to the sides of the far point, with positions higher
5 than the far point.

1 6. The progressive addition power lens as set forth in claim 1, further
2 comprising:

3 a far point at the bottom of the far dioptric power region; and
4 astigmatism peaks located to the sides of the far point, with positions at
5 substantially the same height as the far point.

1 7. The progressive addition power lens as set forth in claim 6, further
2 comprising:

3 a near point at the top of the near dioptric power region; and
4 an eye point in the intermediate corridor, at a position 9 to 12 mm higher than
5 the near point.

1 8. The progressive addition power lens as set forth in claim 1, further
2 comprising:

3 a far point at the bottom of the far dioptric power region; and
4 astigmatism peaks located to the sides of the far point, with positions higher
5 than the far point.

1 9. The progressive addition power lens as set forth in claim 8, further
2 comprising:
3 a near point at the top of the near dioptric power region; and
4 an eye point in the intermediate corridor, at a position 9 to 12 mm higher than
5 the near point.

1 10. The progressive addition power lens as set forth in claim 4, further
2 comprising:
3 a near point at the top of the near dioptric power region; and an eye point in the
4 intermediate corridor, at a position 9 to 12 mm higher than the near point.

1 11. The progressive addition power region; and an eye point in the
2 intermediate corridor, at a position 9 to 12 mm higher than the near point.